

Flight-Testing Newton's Laws			
2003 Science			
Content Standards			
New Mexico Science			
Grades 9-12			
Activity/Lesson	State	Standards	
Session-10 (1-5)	NM	SCI.9-12.II.I.III.M.8.b	Apply Newton's Laws to describe and analyze the behavior of moving objects, including Newton's Second Law, $F = ma$ (e.g., momentum and its conservation, the motion of an object falling under gravity, the independence of a falling object's motion on mass)
Session-1 (1-17)	NM	SCI.9-12.II.I.III.F.7	Know that when one object exerts a force on a second object, the second object exerts a force of equal magnitude and in the opposite direction on the first object (i.e., Newton's Third Law).
Session-1 (1-17)	NM	SCI.9-12.II.I.III.M.8.b	Apply Newton's Laws to describe and analyze the behavior of moving objects, including Newton's Second Law, $F = ma$ (e.g., momentum and its conservation, the motion of an object falling under gravity, the independence of a falling object's motion on mass)
Session-2 (1-10)	NM	SCI.9-12.II.I.III.M.8.b	Apply Newton's Laws to describe and analyze the behavior of moving objects, including Newton's Second Law, $F = ma$ (e.g., momentum and its conservation, the motion of an object falling under gravity, the independence of a falling object's motion on mass)
Session-3 (1-6)	NM	SCI.9-12.II.I.III.M.8.b	Apply Newton's Laws to describe and analyze the behavior of moving objects, including Newton's Second Law, $F = ma$ (e.g., momentum and its conservation, the motion of an object falling under gravity, the independence of a falling object's motion on mass)
Session-5 (1-6)	NM	SCI.9-12.II.I.III.M.8.b	Apply Newton's Laws to describe and analyze the behavior of moving objects, including Newton's Second Law, $F = ma$ (e.g., momentum and its conservation, the motion of an object falling under gravity, the independence of a falling object's motion on mass)
Session-6 (1-8)	NM	SCI.9-12.II.I.III.M.8.b	Apply Newton's Laws to describe and analyze the behavior of moving objects, including Newton's Second Law, $F = ma$ (e.g., momentum and its conservation, the motion of an object falling under gravity, the independence of a falling object's motion on mass)

Session-7 (1-5)	NM	SCI.9-12.II.I.III.M.8.b	Apply Newton's Laws to describe and analyze the behavior of moving objects, including Newton's Second Law, $F = ma$ (e.g., momentum and its conservation, the motion of an object falling under gravity, the independence of a falling object's motion on mass)
Session-8 (1-9)	NM	SCI.9-12.II.I.III.M.8.b	Apply Newton's Laws to describe and analyze the behavior of moving objects, including Newton's Second Law, $F = ma$ (e.g., momentum and its conservation, the motion of an object falling under gravity, the independence of a falling object's motion on mass)
Session-9 (1-7)	NM	SCI.9-12.II.I.III.M.8.b	Apply Newton's Laws to describe and analyze the behavior of moving objects, including Newton's Second Law, $F = ma$ (e.g., momentum and its conservation, the motion of an object falling under gravity, the independence of a falling object's motion on mass)